

BUILDING CODE SUMMARY

1. GENERAL INFORMATION

Name of Project: Carroll Electric Cooperative Corporation - Decatur Service Center
Address: 10720 N Arkansas Highway 59 Gravette, Arkansas
Proposed Use:
Owner or Authorized Agent: James Sanders
Phone: 670-423-2161 Fax: 670-423-8115 E-mail: jsanders@carrollec.com
Contractor: Nabholz Construction
Address: 3301 N 2nd Street Rogers, AR 72756
Phone: (479) 636-5380 Fax: _____
State License No.: _____

2. LEAD DESIGN PROFESSIONAL: Garth Huddins, AIA, LEED AP

Designer Name License #Phone
Architect Ken Shireman & Associates C387 479-521-7794
Civil Jorgensen & Associates 1118 479-872-7115
Electrical Engineering Elements 10054 479-695-1333
Fire Alarm _____
Plumbing Engineering Elements 10054 479-695-1333
Mechanical Engineering Elements 10054 479-695-1333
Structural JLA Engineers Inc. 6587 479-170-6650

3. GENERAL CODE DATA

3.1 Building and Fire Codes used in design

2006 International Building Code with Arkansas Amendments
2006 Arkansas Plumbing Code
2007 International Fire Code with Arkansas Amendments
2007 Arkansas Fire Prevention Code
2006 Arkansas Fuel Gas Code
2003 Arkansas Mechanical Code
2008 National Electric Code
2004 Arkansas Energy Code
ADA

3.2 Construction Description

X New Construction ___ Renovation(Existing Bldg.) ___ Tenant Build-out
___ Alteration ___ Addition

Scope of Work:

4. BUILDING DATA

Construction Type ___JA ___IB ___IIA ___ITB ___IIIA ___IIB ___IV ___VA ___VB
Mixed Construction ___X ___No ___Yes, Types: _____
Sprinklers ___X ___No ___Yes, Partial System Type ___13 ___13R ___13D
Standpipes ___X ___No ___Yes - ___Wet ___Dry Class ___Combined
Building Height 37 Feet Number of Stories 2 Unlimited per ___
Mezzanine ___X ___No ___Yes
High Rise ___X ___No ___Yes
Atrium ___X ___No ___Yes
Basement ___X ___No ___Yes

5. OCCUPANCY CLASSIFICATION

___Assembly 303 ___A-1 ___A-2 ___A-3 ___A-4 ___A-5
___Business 304
___Education 305
___Factory Industrial ___F-1 ___F-2
___High-Hazard 307 ___H-1 ___H-2 ___H-3 ___H-4 ___H-5
___Institutional 308 ___I-1 ___I-2 ___I-3 ___I-4
___I-3 Use Condition ___1 ___2 ___3 ___4 ___5
___Mercantile 309
___Residential 310 ___R-1 ___R-2 ___R-3 ___R-4
X Storage 311 ___S-1 ___X ___S-2 ___High-piled
___Utility and Miscellaneous 312
___Parking Garage 406.2 ___Open 406.3 ___Enclosed 406.4 ___Repair 406.6

5.1 Special Occupancy

___X ___S-2 Enclosed Parking Garage w/ S-2 open parking above
___Unlimited height for B, M, and R
___Parking beneath R ___R-2 Type IIIA ___R-2 Type IIA
___Open parking beneath A, T, B, M, and R
___S-2 enclosed parking with A, B, M, or R above

5.2 Mixed Occupancy ___No ___X ___Yes, Separation ___2 Hr

Exception:
Identify whether you are using the provisions of Non-separated uses by placing an 'X' below by your design choice.
___Non-separated Mixed Occupancy (302.3.2 Exception)

The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
___Separated Mixed Occupancy (302.3.3)

Each portion of the building shall be individually classified as to use and shall be completely separated from adjacent areas by fire barrier walls or horizontal assemblies or both having a fire-resistance rating determined in accordance with Table 302.3.3 for the uses being separated. For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
___Incidental Use Areas (302.1.1) Actual Area of Occupancy A + Actual Area of Occupancy B
Allowable Area of Occupancy A ___ Allowable Area of Occupancy B ≤ 1

6. ALLOWABLE AREA AND HEIGHT - TABLE 503

6.1 Allowable Area

Allowable Area 26,000 Sq. Ft.
Actual Area 22,242 Sq. Ft.
Area Modification = 75% Increase
30' Frontage Open Space
Allowable Area w/ Modification = 45,000 SF

6.2 Allowable Height

Allowable height 55 FT
Allowable no. of stories 4
Actual building height 37 FT
Actual no. of stories 2

7. OCCUPANT LOAD 265

Occupant Load/Floor = _____ persons Note: Include occupant load calculations for the following types of projects: institutional, assembly, educational, multistory projects, large complex projects, and mixed occupancies.

8. FIRE PROTECTION REQUIREMENTS

8.1 Table 601
8.2 Other Rated Elements

Element Required	UL*	Hourly Rating
Interior Walls Bearing		0
Non-bearing		0
Ceiling-Floors		0
Beams		0
Columns		0
Ceiling-Roofs		0
Shafts-Exit		0
Shafts-Other		1
Corridor Separation		0
Occupancy Separation		2
Party/Fire Wall Separation	n/a	
Smoke Barrier Separation	n/a	
Tenant Separations	n/a	

*Or other approved agencies

FOOTNOTES

All fire rated walls shall be identified on plans by hatching, shading, etc.; show legend. Identify code section when using any special exceptions, etc.

8.3 Draftstopping

Draftstopping in floor (716.3) ___X ___Yes ___No
Draftstopping in attic (716.4) ___Yes ___X ___No

8.3.1 Distance to Property Line from Exterior Wall (Table 602)

(Site Plan/Reference Plan required)
Fire Separation Distance ___30 FT
Fire Resistance Rating ___2 Hrs

8.4 Life Safety Systems

1003.2.1.1 Emergency Lighting ___No ___X ___Yes
1003.2.10 Exit Signs ___No ___X ___Yes
907 Fire Alarm ___No ___X ___Yes
907.2.6.2.3 Smoke Detection Systems ___No ___X ___Yes
Panic Hardware ___No ___X ___Yes

9. EXIT REQUIREMENTS

9.1 Exit Access (1004 & Table 1005.2.1)

No. of exits required ___2
No. of exits furnished ___8

9.2 Means of egress width (Table 1003.2.3)

Units of exit required ___44 inches
Units of exit furnished ___60 inches
Stair width units required ___48 inches
Stair width units furnished ___48 inches

9.3 Diagonal Rule

Meets 1004.2.2.1 ___X ___Yes ___No

9.4 Travel Distance (Table 1004.2.4)

Allowable travel distance ___300 FT
Actual travel distance (Maximum) ___174 FT

10. LIFE SAFETY PLAN

Provided ___X ___Yes ___No (If Yes, Drawing No)

11. ACCESSIBILITY (Chapter 11)

Design conforms to ANSI Standard 117.1 ___X ___Yes ___No
If no, explain condition that will not allow building to be accessible.

12. DESIGN LOADS

See structural notes.

13. SPECIAL DETAILED REQUIREMENTS

I have reviewed the special detail requirements in Chapter 4 as indicated below and incorporated the provisions into my design.

Requirements	Applicable (Yes or N/A)
402 Covered Mall building	n/a
403 High Rise buildings	n/a
404 Atriums	n/a
405 Under Ground buildings	n/a
406 Motor-vehicle Related Occupancies	yes
407 Group I-2	n/a
408 Group I-3	n/a
409 Motion Picture Projection Rooms	n/a
410 Stages & Platforms	n/a
411 Special Amusement Buildings	n/a
412 Aircraft Related Occupancies	n/a
413 Combustible Storage	n/a
414 Hazardous Materials	n/a
415 Groups H-1, H-2, H-3, H-4, & H-5	n/a
416 Application of flammable finishes	n/a
417 Drying Rooms	n/a
418 Organic Coatings	n/a

14. SPECIAL INSPECTIONS

I have reviewed the requirements of IBC Section 1704 on Special Inspections and will perform the applicable required inspections as part of my responsibilities acknowledged under my letter of supervision.
___X ___Yes ___No

15. QUALITY ASSURANCE FOR WIND REQUIREMENTS (IBC 1706)

I have reviewed the requirements of IBC Section 1706 and my design incorporates the requirements of this section of the code and is reflected on the drawings and in the specifications.
___X ___Yes ___No

The acceptance of these documents serves notification to the Contractor of his responsibility under Section 1706 ___X ___Yes ___No

16. SAFETY GLAZING FOR HAZARDOUS LOCATION

I have identified on drawings where tempered glass is required in hazardous locations. (2406.2)
___X ___Yes ___No

17. PREFABRICATED METAL BUILDINGS

Requirements for metal building entrance drawings included on drawings ___Yes ___

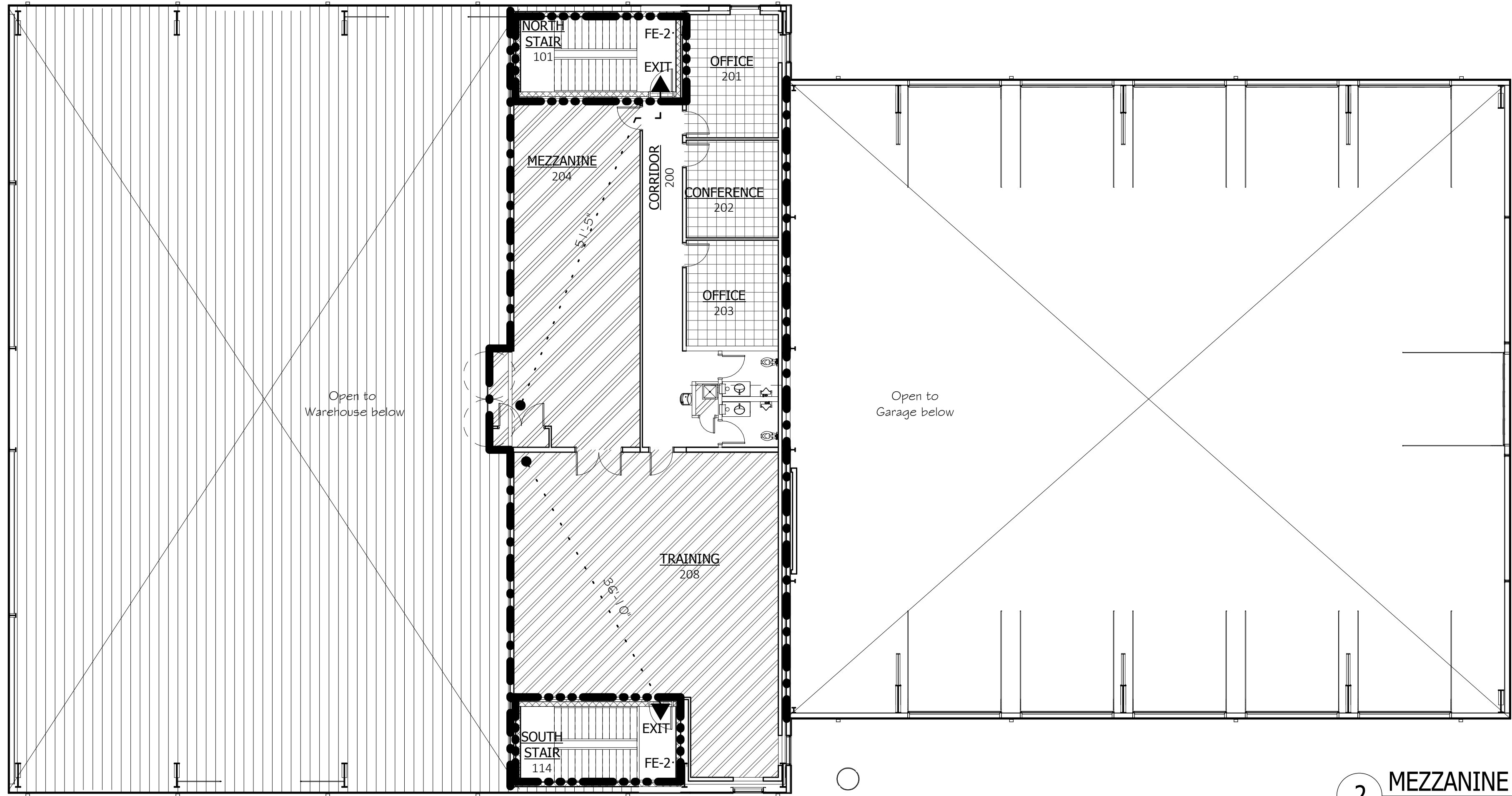
18. PRE-ENGINEERED TRUSSES

Live Load Shown n/a
Wind Loads Shown n/a
Certification from manufacturer (Sealed) n/a

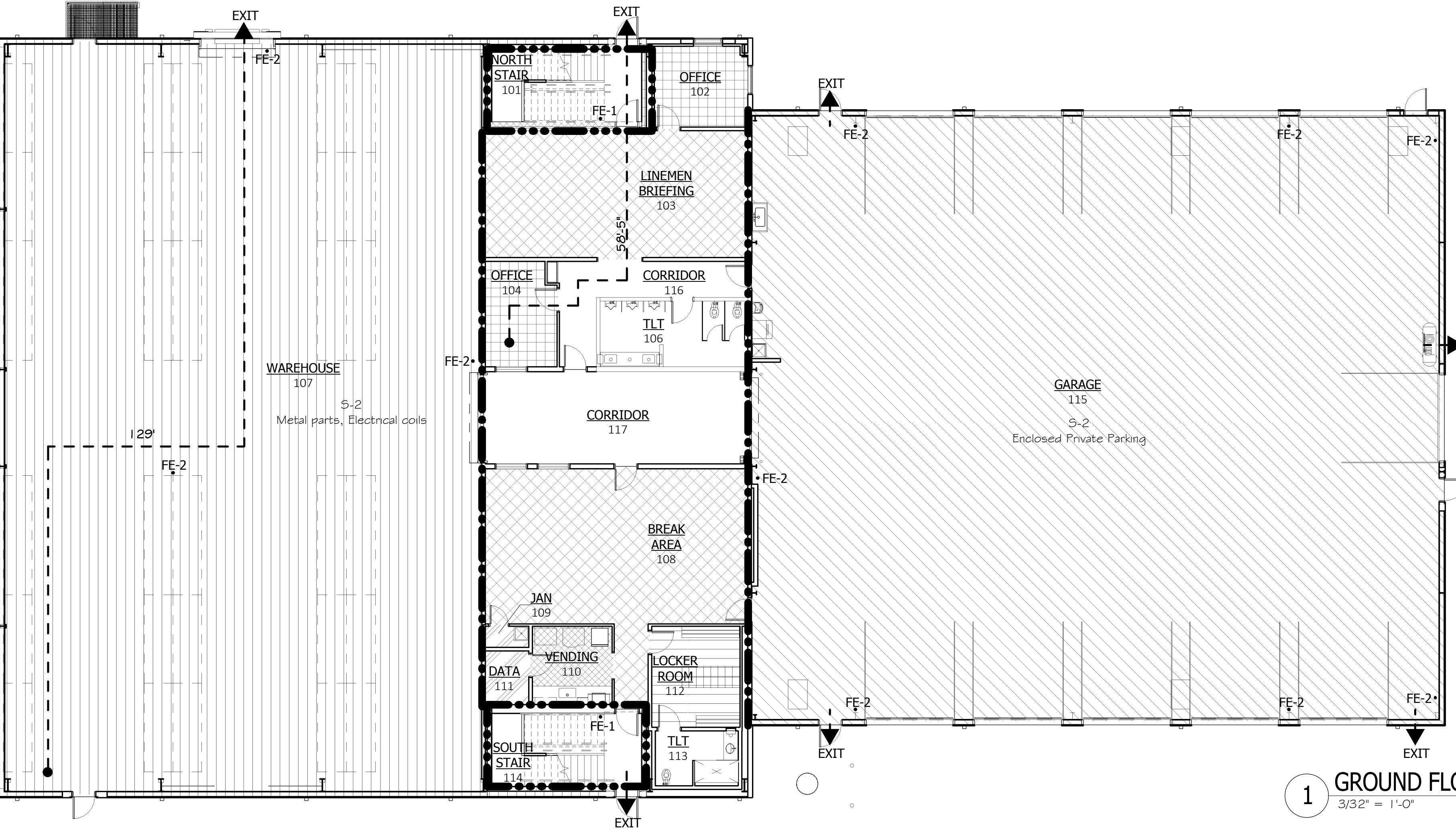
Contractor Responsibility:
Each contractor responsible for the construction of a main wind- or seismic-force-resisting system, designated seismic system or a wind- or seismic-resisting component listed in the statement of special inspections shall submit a written statement of responsibility to the building official and the owner prior to the commencement of work on the system or component. The contractor's statement or responsibility shall contain the following:

- Acknowledgement of awareness of the special requirements contained in the statement of special inspections;
- Acknowledgement that control will be exercised to obtain conformance with the construction documents approved by the building official;
- Procedures for exercising control within the contractor's organization, the method and frequency of reporting and the distribution of the reports; and
- Identification and qualifications of the person(s) exercising such control and their position(s) in the organization.

I hereby certify that these plans and specifications have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these plans and specifications are as required by law and in compliance with the Arkansas Fire Prevention Code for the State of Arkansas



2 MEZZANINE FLOOR PLAN
3/32" = 1'-0"



1 GROUND FLOOR PLAN
3/32" = 1'-0"

OCCUPANCY LOAD				
Legend	Function of Space	Floor Area in S.F. per Occupant	Actual Area	Calculated Occupants
	Warehouses	500	7,005 SF	15
	Parking Garages	200	8,050 SF	41
	Locker Rooms	50	172 SF	4
	Educational - Classroom Area	20	1,276 SF	64
	Business Areas	100	818 SF	11
	Assembly without Fixed Seats - Unconcentrated (tables and chairs)	15	1,470 SF	99
	Assembly without Fixed Seats - Standing Space	5	120 SF	24
	Accessory Storage Areas, Mechanical Equipment Room	300	887 SF	7
TOTAL			19,798 SF	265

OCCUPANCY SCHEDULE					
Room Number	Room Name	Occupancy Classification	Area	S.F. per Person	Persons
102	OFFICE	Business Areas	144 SF	100	2
103	LINEMEN BRIEFING	Assembly without Fixed Seats - Unconcentrated (tables and chairs)	639 SF	15	43
104	OFFICE	Business Areas	139 SF	100	2
107	WAREHOUSE	Warehouses	7,005 SF	500	15
108	BREAK AREA	Assembly without Fixed Seats - Unconcentrated (tables and chairs)	831 SF	15	56
109	JAN	Accessory Storage Areas, Mechanical Equipment Room	18 SF	300	1
110	VENDING	Assembly without Fixed Seats - Standing Space	120 SF	5	24
111	DATA	Accessory Storage Areas, Mechanical Equipment Room	45 SF	300	1
112	LOCKER ROOM	Locker Rooms	172 SF	50	4
115	GARAGE	Parking Garages	8,050 SF	200	41
GROUND FLOOR SUBTOTAL			17,162 SF		189

201	OFFICE	Business Areas	202 SF	100	3
202	CONFERENCE	Business Areas	160 SF	100	2
203	OFFICE	Business Areas	173 SF	100	2
204	MEZZANINE	Accessory Storage Areas, Mechanical Equipment Room	793 SF	300	3
205	JAN	Accessory Storage Areas, Mechanical Equipment Room	13 SF	300	1
208	TRAINING	Educational - Classroom Area	1,276 SF	20	64
209	RADIO EQUIPMENT ROOM	Accessory Storage Areas, Mechanical Equipment Room	19 SF	300	1
300	Mechanical Mezzanine	(none)	383 SF		76
MEZZANINE SUBTOTAL			3,019 SF		

GRAND TOTALS 21,903 SF 265

LIFE SAFETY PLAN LEGEND

1 HR FIRE BARRIER

1 HR FIRE BARRIER/SHAFT WALL

SMOKE PARTITION (NON RATED)

EXIT SIGN - HATCH INDICATES EXIT TEXT AND ARROW INDICATES DIRECTION

FIRE DEPARTMENT CONNECTION

FIRE EXTINGUISHER CABINET

FIRE EXTINGUISHER

TOTAL TRAVEL DISTANCE TO AN EXIT

TRAVEL DISTANCE WITHIN A SMOKE ZONE TO AN EXIT

EXIT



CARROLL ELECTRIC COOPERATIVE CORPORATION
DECATUR / GRAVETTE SERVICE CENTER
10720 N Arkansas Highway 59 Gravette, Arkansas

SHEET REVISION DATE
Revision Number Revision Date

PROJECT ISSUE DATE
xx/xx/xxxx

PROJECT NUMBER
1100513

SHEET NUMBER
A0.1